

**Declaration and Power of Attorney for Patent Application**  
**(특허 출원 관련 선언 및 위임권)**

**Korean Language Declaration**

아래 지명된 발명자로서, 본인은 아래 사항을 선언 합니다.

본인의 거주지, 우편 주소 및 국적은 본인의 성명 아래에 기재된 것과 동일합니다.

본인은 하기 명시된 발명에 대한 특허를  
청구하는 주제의 최초, 원래, 단독  
발명자이거나 (아래에 한사람의 이름만이  
기재된 경우) 또는 최초 원래 공동 발명자임을  
(아래에 여러 이름이 기재된 경우) 확인  
합니다.

다음 날이 체크되어 있지 않으면 본 발명의  
명세서가 여기에 첨부 됩니다.

미국 출원번호 또는 PCT 국제 출원번호는  
\_\_\_\_\_  
로  
\_\_\_\_\_  
일에 출원되었고  
일에 개정 되었음  
(해당 경우).

본인은 상기 개정에 의해 수정된 상기  
명세서는 물론 특히 청구의 내용을 검사했으며  
이해했음을 확인 합니다.

본인은 연방 규정 코드인 제 37 장의  
제 1.56 항에 의거하여 특허 자격에 관한 자료  
정보를 공개할 의무가 있음을 인정합니다.

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship  
are as stated next to my name.

I believe that I am the original, first and sole  
inventor (if only one name is listed below) or an  
original, first and joint inventor (if plural names  
are listed below) of the subject matter which is  
claimed and for which a patent is sought on the  
invention entitled

**METHOD FOR INITIATING UPLINK  
SIGNALING PROACTIVELY BY MBMS UE**

the specification of which is attached hereto  
unless the following box is checked:

was filed on December 19, 2005  
as United States Application Number or  
PCT International Application Number  
10/561,232 and was amended on  
(if applicable).

I hereby state that I have reviewed and  
understand the contents of the above identified  
specification, including the claims, as amended  
by any amendment referred to above.

I acknowledge the duty to disclose information  
which is material to patentability as defined in  
Title 37, Code of Federal Regulations, § 1.56.

본인은 외국인 특허 출원(들)이나 발명자의 증명서 관련 경우에는 미합중국 코도 제 35 장의 제 119 (a)-(d)항이나 제 365 (b)항에 의거하여, 또는 미합중국 이외에 적어도 한 국가를 지정하는 PCT 국제 출원의 경우에는 제 365(a)항에 의거하여 하기 명시된 특허 출원의 외국 우선권을 주장하며, 외국인 특허 출원, 발명자 증명서 또는 우선권이 주장되는 출원일 이전에 제출된 PCT 국제 출원도 또한 아래에 해당판을 체크 함으로서 확인하였습니다.

I hereby claim foreign priority under Title 35, United States Code, § 119(a)-(d) or § 365(b) of any foreign application for patent or inventor's certificate, or § 365(a) of any PCT International application which designated at least one country other than the United States, listed below, the disclosure of which is incorporated into the above identified specification, and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed.

**Priority Not Claimed**  
(우선권 주장 않음)

July 9, 2003

1

(Day/Month/Year Filed)  
(출원일자 입/월/년도)

□

03147532.9  
(Number)  
(번호)

China  
(Country)  
(중국)

(Number)  
(번호)

(Country)  
(국가)

본인은 미합중국 코로인 제 35 장 제 119  
(e)항에 명시된 비와 같이 하기 미합중국  
가출원에 관련된 특권을 요구합니다.

(Application No.)  
(출원번호)

(Filing Date)  
(출원일자)

(Application No.)  
(출원번호)

(Filing Date)  
(July 21, 1981)

본인은 미합중국 코드인 제 35 장의 미국인 출원(逐一) 관련 제 120 항에 명시된 바와 같이 또는 미합중국을 지정하는 PCT 국제출원 관련 제 365(c) 항에 명시된 바와 같이 하기 출원의 특권을 요구합니다. 이 출원서에 있는 각 특허 청구의 내용이 미합중국 코드인 제 35 장 제 112 항이 첫 번째 절에서 명시된 바와 같이

I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application listed below.

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application, or § 365(c) of any PCT International Application designating the United States, listed below, and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International

증신의 비록 또는 PCT 국제출원에 발표되지 않았으며, 본인은 연방 규정 코드인 제 37 장 제 1.56 항에 명시된 바와 같이 종전 출원일자와 이 출원서의 국내 또는 PCT 국제 출원일자 사이에 특허 자격에 대한 자료(정보)를 공개할 의무가 있음을 인정합니다.

PCT/KR2004/001678

(Application No.)

(출원번호)

July 8, 2004

(Filing Date)

(출원일자)

(Application No.)

(출원번호)

(Filing Date)

(출원일자)

본인이 아는 한도 내에서 여기에 제공된 모든 내용이 사실이고, 제공된 정보나 소신이 모두 사실임을 확인하며. 더 나아가 미합중국 코드 제 18 장의 제 1001 절에 명시된 바와 같이 고의의 허위 진술 및 이와 유사한 행위는 범죄이나 부과으로 처벌 받거나 벌금과 감옥형을 모두 받을 수 있고 이러한 고의의 허위 진술은 특히 출원이나 후에 발급된 특허의 유효성을 위태롭게 함을 인지하면서 여기에 진술함으로 선언합니다.

본인은 미합중국 특허 상표청과 연관된  
커스터너 번호 01609, ROYLANCE, ABRAMS,  
BERDO & GOODMAN, L.L.P.에 근무하는  
보통 변호사 또는 대리인은 본인의 변호사  
또는 대리인으로 임명하며, 미 합중국 특허  
상표청과 관련하여 본 출원을 대행, 취소,  
대체할 권한뿐만 아니라, 본건의 우선권을  
갖는 대응 외국 출원을 처리하는 외국의 특허  
사무소 또는 대리인 사무소, 국제 단체와의  
업무를 처리할 수 있는 권한과, 대리인, 지역  
대표자를 임명할 권한을 부여합니다.

application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56, which became available between the filing date of the prior application and the national or PCT International filing date of this application.

Pending

(Status) (patented, pending, abandoned)

(현황) (특허획득, 출원중, 포기)

(Status) (patented, pending, abandoned)

(현황) (특허획득, 출원중, 포기)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

I hereby appoint all of the attorneys and agents associated with U.S. Patent and Trademark Office  
Customer No. 01609 of the firm of ROYLANCE, ABRAMS, BERDO & GOODMAN, L.L.P. as my attorneys or agents with full power of substitution and revocation, to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected herewith, as well as before any office or agency of a foreign country or any international organization in connection with any foreign counterpart application claiming priority to this application, including the power to appoint agents and local representatives in connection

with such foreign applications.

사진 수신자

Send Correspondence to:

John E. Holmes, Esq.

Roylance, Abrams, Berdo & Goodman, L.L.P.  
1300 19<sup>th</sup> Street, NW, Suite 600  
Washington, DC 20036

직통 전화 수신자(성명 및 전화번호)

Direct Telephone Calls to: (name and telephone number)

Maeng-Ho Shin  
(202) 659-9076

단독 또는 첫번째 공동 발명자의 이름

FULL NAME OF SOLE OR FIRST JOINT INVENTOR:

Kook-Heui Lee

Inventor's signature

Date April 20, 2007



Residence #108-1004, Byuksan 1-cha APT., Suki-eup, Yongin-si, Gyeonggi-do, Republic of Korea

Citizenship Republic of Korea

Post Office Address Same as Residence

거주지

국적

우편주소

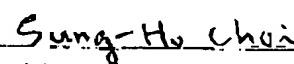
두번째 공동 발명자의 이름

FULL NAME OF SECOND JOINT INVENTOR, IF ANY:

Sung-Ho Choi

Inventor's signature

Date April 20, 2007



Residence #232-503, Gwanggolmaeul 2-danji APT., Yeongtong-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea

Citizenship Republic of Korea

Post Office Address Same as Residence

거주지

국적

우편주소

DECLARATION

세 번째 공동 발명자의 이름

발명자의 성명

일자

기준지

국적

우송주소

FULL NAME OF SECOND JOINT INVENTOR, IF ANY:

Detao Li

Inventor's signature

Date April 20, 2007

李德涛

Residence 4F, Science and Technology Tower No.

11 Zhongguancun Nan Lu, Haidian  
District, Beijing, China

Citizenship China

Post Office Address

Same as Residence

네 번째 공동 발명자의 이름

발명자의 성명

일자

기준지

국적

우송주소

FULL NAME OF SECOND JOINT INVENTOR, IF ANY:

Hong Wang

Inventor's signature

Date April 20, 2007

Residence 4F, Science and Technology Tower No.  
11 Zhongguancun Nan Lu, Haidian  
District, Beijing.

Citizenship China

Post Office Address

Same as Residence

RECORDATION FORM COVER SHEET  
**PATENTS ONLY**

**50319**

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

**1. Name of conveying party(ies)/Execution Date(s):**

Kook-heui LEE

Sung-ho CHOI

Detao LI

Hong WANG

Execution Date(s) April 20, 2007

Additional name(s) of conveying party(ies) attached?  Yes  No

**9. Nature of conveyance:**

- Assignment  Merger  
 Security Agreement  Change of Name  
 Government Interest Assignment  
 Executive Order 9424, Confirmatory License  
 Other

**4. Application or patent number(s):**

A. Patent Application No.(s)

10/561,232

This document is being filed together with a new application.

B. Patent No.(s)

Additional numbers attached?  Yes  No

**5. Name and address to whom correspondence concerning document should be mailed:**

Name: Roylance, Abrams, Berdo & Goodman, L.L.P.

Internal Address: Suite 600

Street Address: 1300 19<sup>th</sup> Street, NW

City: Washington

State: D.C. Zip: 20036

Phone Number: (202) 659-9076

Fax Number: (202) 659-9344

Email Address: [Signature]

**6. Total number of applications and patents involved:** 1

**7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00**

Authorized to be charged by credit card

Authorized to be charged to deposit account

Enclosed

None required (government interest not affecting title)

**8. Payment Information**

a. Credit Card Last 4 Numbers [Redacted]

Expiration Date [Redacted]

b. Deposit Account Number 000000531822202

Authorized User Name John E. Holmes AG PR OP

**9. Signature:** John E. Holmes

Signature

**John E. Holmes, Reg. No. 29,392**

Name of Person Signing

April 23, 2007

Total number of pages including cover sheet, attachments, and documents:

**3**

## ASSIGNMENT

WHEREAS, We, (1) Kook-Ileui Lee, a citizen of the Republic of Korea; (2) Sung-Ho Choi, a citizen of the Republic of Korea; (3) Detao Li, a citizen of China; and (4) Hong Wang, a citizen of China residing respectively at (1) #108-1004, Byuksan I-cha APT., Suki-eup, Yongin-si, Gyeonggi-do, Republic of Korea; (2) #232-503, Gwanggolmaeul 2-danji APT., Yeongtong-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea; (3) 4F, Science and Technology Tower No. 11 Zhongguancun Nan Lu, Haidian District, Beijing, China; and (4) 4F, Science and Technology Tower No. 11 Zhongguancun Nan Lu, Haidian District, Beijing, China (hereinafter "ASSIGNORS"), have made a certain invention entitled "**METHOD FOR INITIATING UPLINK SIGNALING PROACTIVELY BY MBMS UE**" for which we are making application for Letters Patent of the United States, which application has been filed on December 19, 2005 and assigned Serial number 10/561,232; and

WHEREAS, Samsung Electronics Co., Ltd., a corporation duly organized under the laws of the Republic of Korea, located and doing business at 416, Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea; and Beijing Samsung Telecom R&D Center, a corporation duly organized under the law of China, located and doing business at 4F, Science and Technology Tower No. 11 Zhongguancun Nan Lu, Haidian District, Beijing, China (hereinafter "ASSIGNEES"), are desirous of acquiring the entire right, title and interest in and to the aforementioned invention and the aforementioned application and any and all United States Letters Patent to be obtained on said invention and/or application;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN:

BE IT KNOWN that for good and valuable consideration paid to us by said ASSIGNEES, the receipt and sufficiency of which is hereby acknowledged, we, the ASSIGNORS, by these presents do hereby sell, assign, set over and transfer unto the said ASSIGNEES, their successors, legal representatives or assigns, the entire right, title and interest in and to the aforesaid invention in and for the United States; and in, to and under the aforesaid United States application and any divisional, continuing, substitute or reissue applications or supplementary disclosures which may be filed on said invention in the United States; and our right to file said applications and claim priority under the provisions of any international treaty or convention; and in and to any original, reissued and reexamined Letters Patent of the United States issued or granted on said invention and/or said applications; all of the same to be held and enjoyed by the said ASSIGNEES as joint assignees and joint owners, as fully and completely as such rights would have been held and enjoyed by the ASSIGNORS if this Assignment had not been made;

AND WE HEREBY authorize and request the U.S. Patent and Trademark Office or other issuing authority to issue any and all patents on said invention and/or said applications to said ASSIGNEES as joint assignees and owners;

AND WE HEREBY covenant that we have the full right to convey the entire right, title and interest herein assigned and that we have not executed and will not execute any assignment or other instrument in conflict herewith;

AND WE HEREBY further covenant and agree to communicate to said ASSIGNEES, or its legal representatives, successors or assigns, any facts relating to said invention, including evidence for interference purposes or other proceedings, whenever requested, and to testify in any interference or in any other legal proceeding, when requested, and to execute and deliver on request all lawful papers required to make any of the foregoing provisions effective; and to perform the aforesaid communicating, executing and delivering, without any

payment except expenses and to perform the aforesaid testifying for reasonable compensation; and generally to do everything possible to aid the said ASSIGNEE, its successors, legal representatives or assigns to obtain and enforce proper patent protection on and for said invention in the United States, and likewise we make these provisions binding upon our heirs, legal representatives and/or administrators.

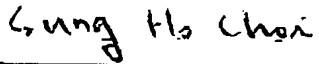
The undersigned hereby grant the firm of Roylance, Abrams, Berdo & Goodman, L.L.P. the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, I have hereunder set my hand and seal this 20th day of April, 2007

  
Kook-Heui Lee

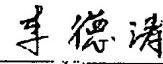
Lee Yum Teong  
Witness

IN WITNESS WHEREOF, I have hereunder set my hand and seal this 20th day of April, 2007.

  
Sung-Ho Choi

Lee Yum Teong  
Witness

IN WITNESS WHEREOF, I have hereunder set my hand and seal this 20th day of April, 2007.

  
Detao Li

Lee Yum Teong  
Witness

IN WITNESS WHEREOF, I have hereunder set my hand and seal this 20th day of April, 2007,

  
Hong Wang

Lee Yum Teong  
Witness